KALABINA, A.V.; MYASNIKOVA, L.S.; KOLMAKOVA, E.F.; SHESTAKOVA, I.R.; PAVLOVA, M.P.

Synthesis and transformations of vinyl aryl ethers. Report No.17: Synthesis and some properties of α,β-dibromoethyl aryl ethers. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:225-237 '61. (MIRA 16:8)

(Ethers)

GOL'DENBERG, V.G.; KALABINA, A.V.; SHOSTAKOVSKIY, M.F.

Production of vinyl aryl ethers at a pilot plant. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:290-295 '61.
(MIRA 16:8)

(Ethers) (Phenol) (Coal—Carbonization)

KALABINA, A.V.; FILIPPOVA, A.Kh.; DMITRIYEVA, G.V.; TSARIK, L.Ya.

Polymerization of aryl vinyl ethers and their derivatives. Part 1: Polymerization and copolymerization of vinyl ethers of halogenated phenols. Vysokom.soed. 3 no.7:1020-1026 Jl '61. (MIRA 14:6)

1. Irkutskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Ether) (Polymerization)

SHOSTAKOVSKIY, M.F.; KALABINA, A.V.; STARTSEVA, M.Ya.; POD'YACHENKO, N.P.

Synthesis and transformations of vinyl aryl ethers. Report No.4: Synthesis and properties of vinyl ethers of ortho-, meta-, and para- cresols and para-tert-amyl phenol. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:90-100 '61. (MIRA 16:8)

(Ethers) (Phenol) (Cresol)

SHOSTAKOVSKIY, M.F.; KALABINA, A.V.; PEROVA, G.A.

Synthesis and transformations of vinyl aryl ethers. Report No.6: Synthesis and properties of vinyl ethers of 1,3,5- and 1,2,6-xylenols. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1: 111-119 '61. (MIRA 16:8)

(Ethers) (Xylenol)

KALABINA, A.V.; TYUKAVKINA, N.A.; MANTSIVODA, G.P.; KRASOVSKIY, R.V.

Polymerization of vinyl aryl ethers and their derivatives. Part 2: Ionic polymerization of vinyl aryl ethers. Vysokom.soed. 3 no.8: 1150-1154 Ag '61. (MIRA 14:9)

1. Irkutskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Ethers) (Polymerization)

KALABINA, A.V.; TYUKAVKINA, N.A.; KRUGLOVA, V.A.

Polymerization of vinyl aryl ethers and their derivatives. Part 3: Low molecular weight radical polymerization of vinyl aryl ethers. Vysokom.soed. 3 no.8:1155-1160 Ag '61. (MIRA 14:9)

1. Irkutskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Ethers) (Radicals (Chemistry)) (Polymerization)

KALABINA, A.V.; TYUKAVKINA, N.A.; YASHINA, O.G.; MAKHNO, L.P.; FROLOV, Yu.L.

Synthesis and properties of vinyl ethers of some higher phenols. Izv.vys.ucheb.zav.;khim.i khim.tekh. 4 no.4:626-631 '61. (MIRA 15:1)

1. Irkutskiy gosudarstvennyy universitet imeni Zhdanova, kafedra vysokomolekulyarnykh soyedineniy i organicheskogo sinteza.
(Phenols) (Ethers)

KALABINA, A.V.; TYUKAVKINA, N.A.; TERPUGOVA, M.F.

Synthesis and some properties of α, β-dichloroethyl ethers of the aromatic series. Izv.vys.ucheb.zav.;khim.i khim.tekh. 4 no.4:632-635 '61. (MIRA 15:1)

1. Irkutskiy gosudarstvennyy universitet imeni Zhdanova, kafedra vysokomolekulyarnykh soyedineniy i organicheskogo sinteza.
(Ethers)

S/081/62/000/017/049/102
B158/B186

AUTHORS: Kalabina, A. V., Dubovik, N. A.

TITLE: Synthesis of certain chlorine anhydrides and β-arylhydroxy-vinylphosphinic esters

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 17, 1962, 258, abstract 17Zh337 (Izv. Fiz.-khim. n.-i. in-ta pri Irkutskom un-te, v. 5, no. 1, 1961, 131-140)

TEXT: By reacting $ArOCH{=}CH_2$ (I) with PCl_5, with the subsequent action of SO_2, $ArOCH{=}CHP(O)Cl_2$ (II) is obtained; this is converted to $ArOCH{=}CHP(O)(OR)_2$ (IIIa-b, where a R = CH_3, b R = C_2H_5) which has insecticidal properties. Cresole and xylenole fractions of a resin obtained by semicoking Cheremkhovo coals may also be used as I. 0.112 mole of I (Ar = m-$CH_3OC_6H_4$) is added to a mixture of 0.23 mole PCl_5 and 100 ml C_6H_6 with thorough shaking; SO_2 is passed through and 14.98 g II (Ar = m-$CH_3OC_6H_4$) is separated. 0.052 mole of II (Ar = m-$CH_3C_6H_4$) is

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KALABINA, A.V.; TYUKAVKINA, N.A.; BARDAMOVA, M.I.; LAVROVA, A.S.

Synthesis and investigation of vinyl ethers of some alkyl- and aryl-substituted phenols. Zhur.ob.khim. 31 no.10:3222-3226 O '61. (MIRA 14:10)

1. Irkutskiy gosudarstvennyy universitet.
(Phenol) (Ethers)

KALABINA, A.V.; TYUKAVKINA, N.A.; FILIPPOVA, A.Kh.

Combining ethylmercaptan with some vinyl ethers of chlorophenols.
Izv.Sib.otd.AN SSSR no.1:97-101 '62. (MIRA 15:3)

1. Irkutskiy gosudarstvennyy universitet.
(Mercaptals) (Insecticides)

FROLOV, Yu.L.; FILIPPOVA, A.Kh.; KALABINA, A.V.; POGODAYEVA, L.K.; TYUKAVKINA, N.A.

Physical studies in the area of unsaturated aryl ethers and their derivatives. Part 1: Spectra of vinyl substitutes ether of phenol. Zhur.strukt.khim. 3 no.6:676-679 '62. (MIRA 15:12)

1. Irkutskiy gosudarstvennyy universitet.
(Phenol) (Ethers--Spectra)

SHOSTAKOVSKIY, M.F.; KALABINA, A.V.; TRUFANOVA, A.I.; IZHBOLDINA, A.T.

Synthesis and transformations of vinyl aryl ethers. Report No.5: Chemical transformations of vinyl ethers of o-, m-, p-cresols and p-tert-amyl phenol. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:101-110 '61. (MIRA 16:8)

(Ethers) (Phenol) (Cresol)

S/081/63/000/004/018/051
B166/B186

AUTHORS: Kalabina, A. V., Filippova, A. Kh., Akaenenko, R. A., Latysheva, E. S., Vinogradova, V. V., Zhidyayeva, L. M.

TITLE: Studies in the field of synthesis and conversions of vinylaryl esters. No. 22. Synthesis and certain conversions of vinyl esters and acetals of bromophenols

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 238 - 239, abstract 42h123 (Izv. Fiz.-khim. n.-i. in-ta pri Irkutskom un-te, v. 5, no. 1, 1961, 120 - 130)

TEXT: Vinylation of 2-bromophenol (I) and 4-bromophenol (II) by the Favorskiy - Shostakovskiy method (initial pressure of acetylene 18 - 28 atm 210 - 220°C, 30 - 45 min) in the presence of a large quantity of KOH or NaOH and with high dilution of the reaction mixture with water (sometimes with dioxane added) made possible the synthesis of the vinyl ester of I, yield 40%, b.p. 93 - 94°C/8 mm Hg, $n^{20}D$ 1.5676, d_4^{20} 1.4339, and the vinyl ester of II (III), yield 12 - 52%, b.p. 215 - 216°C/728 mm Hg, 109 - 110°C/11 mm Hg, $n^{20}D$ 1.5685, d_4^{20} 1.4366. The addition of I - II to aliphatic and

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Studies in the field of synthesis...

aromatic vinyl esters (with thorough stirring in the presence of 2 - 4 drops concentrated HCl) gave a series of $CH_3CH(OR)OR'$ acetals (IV). Below are given: the initial vinyl ether, quantity in moles, the initial phenol, quantity in moles, reaction temp. in °C and the reaction time in hrs, R and R' in IV, yield %, b.p. in °C/mm Hg, $n^{20}D$ and d_4^{20}; vinylethyl ether (V), 0.430, I, 0.300, 85 - 90, 1.5, C_2H_5, o-BrC_6H_4, 40, 135/15, 1.5223, 1.3208; V, 0.120, II, 0.058, 70 - 75, 1.5, C_2H_5, n-BrC_6H_4 (IVa), 124 - 125/8, 1.5308, 1.3483; vinylbutyl ether, 0.679, II, 0.579, 75 - 86, 1, C_4H_9, n-BrC_6H_4 (IVb), 38, 155 - 156/17, 1.5051, 1.2364; vinylphenyl ether, 0.167, II, 0.167, 70 - 80, 2, C_6H_5, n-BrC_6H_4, 47.1, 171 - 173/6, 1.5831, 1.3784; III, 0.115, II, 0.104, 70 - 80, 2, n-BrC_6H_4 (IVc), 55, 216 - 217/8, m.p. 46°C, 1.6025, --.

A study was made of substitution of the Br atom in III and IV by ethyl and ethoxyl groups. Experiments to hydrolyze III and IV with dilute alkali to the respective vinyl esters of the phenols (in an autoclave, 220 - 300°C, in the presence of Cu_2Cl_2 and Cu shavings) were unsuccessful. To 53 mmoles IVa in 20 ml cryoscopic C_6H_6 were added 0.08 moles C_2H_5Br and 0.13 moles Na,

Studies in the field of synthesis...

which was thoroughly stirred for 2 hrs at 60 - 65°C and then left to stand for ~12 hrs, whereupon it was filtered through glass wool and distilled, to give IV (R = C_2H_5, R' = n-$C_2H_5C_6H_4$) (IVd), yield 60%, b.p. 93 - 94°C/16 mm Hg, $n^{20}D$ 1.5008, d_4^{20} 0.9851. 5 g IVd and 20 ml 20% H_2SO_4 were heated for 3 hrs at ~100°C to give 4-ethylphenol (VI), yield 88%, b.p. 93 - 95°C/7 mm Hg, $n^{20}D$ 1.5240. In the optimum experiment 0.054 moles IVb, 0.079 moles C_2H_5Br and 0.13 moles Na in 200 ml C_6H_6 were heated for 2 hrs at 80°C and, as stated above, IV were separated (R = C_4H_9, R' = $C_2H_5C_6H_4$), yield 8%, b.p. 140 - 142°C/17 mm Hg, $n^{20}D$ 1.4960, d_4^{20} 0.9275. Under similar conditions (85 - 90°C, 2.5 hrs) the vinyl ester of VI was produced, yield 10%, b.p. 92 - 93°C/18 mm Hg, $n^{20}D$ 1.5148. A mixture of 0.077 moles III, 0.117 moles dry C_2H_5ONa, 10 ml C_6H_6 and 50 g Cu filings was kept at 330°C for 6 hrs; it was then washed with 10% alkali and 4-ethoxyphenol vinyl ester was separated by distillation, yield 40%, b.p. 101 - 102°C/3 mm Hg, $n^{20}D$ 1.5232. See abstract 4Zh122. [Abstracter's note: Complete translation.]

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S/081/63/000/004/017/051
B166/B186

AUTHORS: (17) Kalabina, A. V., Myasnikova, L. S., Kolmakova, E. F., Sheetakova, I. R., Pavlova, M. P., (18) Kalabina, A. V., Prilezhayeva, Ye. N., Yakovleva, Z. I.

TITLE: Studies in the field of synthesis and conversions of vinylaryl esters. No. 17. Synthesis and certain properties of α,β-dibromethylaryl esters. No. 18. The addition of mercaptans to vinyl esters of the aromatic series

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 238, abstract 4Zh122 (Izv. Fiz.-khim. n.-i. in-ta pri Irkutskom un-te, v. 5, no. 1, 1961, 193 - 206, 225 - 237)

TEXT: (17) Bromination of the vinyl esters of phenol (I), o-cresol (II), n-tert-butylphenol and thymol (III) in CCl_4 gave the respective α,β-dibromethyl esters (IV - VII), which have lachrymatory properties; without the solvent partial polymerization takes place. IV - VII probably exist in the form of two tautomeric forms $CH_2BrCHBrOAr \rightleftharpoons [CHBr{=}CHO(H)Ar]^+Br^-$, as ionic Br is easily back-titrated by aqueous solutions of NaOH and $AgNO_3$.

Card 1/4

Studies in the field of...

whilst IV - VII themselves are smoothly converted into β-bromvinyl esters (BVE) when vacuum distilled, yield 80 - 85%. Hydrolysis of IV - VII proceeds in two distinct stages: first of all under the action of H_2O cold there is dissociation of the weak oxonium complex, and the BVE which forms only splits with long boiling in an acid medium. Into a solution of 0.14 moles I in 40 ml CCl_4 at -5°C (3 - 8°C inside the flask) were stirred, over a period of 1.5 - 2 hrs, 0.15 moles dry Br_2 in 20 ml CCl_4, and IV, $C_8H_8OBr_2$, was distilled off, yield 97.2%, b.p. 129 - 130°C/12 mm Hg, $n^{20}D$ 1.5849, d_4^{20} 1.7418, fumes in air. 3 g IV and 50 ml water were shaken in a closed bottle at 45 - 50°C for 5 hrs, this was extracted with ether, and 1.19 g phenol BVE (VIII) was separated by distillation, b.p. 100 - 102°C/10 mm Hg, $n^{20}D$ 1.5750, as well as 1.403 g IV. 1 g VIII and 25 ml 5% H_2SO_4 were heated, stirring at ~100°C for 6 - 7 hrs; this was neutralized with alkali and extracted with ether; after evaporating, $BrCH_2CHO$ was separated from the residue in the form of a semicarbazone; the alkaline layer was treated with 10% H_2SO_4, C_6H_5OH was extracted with ether. V - VII were synthesized under similar conditions

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S/081/63/000/004/017/051
B166/B186

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(below are given: the substance, yield %, b.p. in °C/mm Hg, $n^{20}D$, d_4^{20}): V, 97.6, 133 - 134/14, 1.5718, 1.5662, (BVE, b.p. 145 - 148°C/35 mm Hg, $n^{20}D$ 1.5662); VI, 96.1, 126 - 127.3, 1.5450, 1.4909; VII, 97.5, 149 - 150.4, 1.5548, 1.4595.

(18) The addition of ethyl- and butylmercaptans to I - III was achieved by ionic and radical mechanisms, leading to $CH_3CH(SR)OAr$ (IX) and $RSCH_2CH_2OAr$ (X) respectively. Substitutes of the first kind in the benzene ring considerably simplify radical addition. The thioacetals produced are easily hydrolyzed with dilute H_2SO_4 and split quantitatively when X is treated with $HgCl_2$, which proves their structure to be that of β adducts; under these conditions IX is highly stable. 0.1 mole I, 0.1 mole C_2H_5SH and 0.02 g azodiisobutyrodinitrile were heated in a sealed ampoule at 90 - 100°C for 24 hrs, and X (R = C_2H_5, Ar = C_6H_5), $C_{10}H_{14}OS$, was distilled, yield 85.02%, b.p. 123.5°C/3 mm Hg, $n^{20}D$ 1.5433, d_4^{20} 1.0543. The other X were produced under similar conditions (below are given: R, Ar, the gross formula, yield %,

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Studies in the field of...

b.p. in °C/mm Hg, $n^{20}D$, d_4^{20}): C_4H_9, C_6H_5, $C_{12}H_{18}OS$, 97.20, 141.0 - 142.0/2, 1.5313, 1.0118; C_2H_5, o-$CH_3C_6H_4$ (Xa), $C_{11}H_{16}OS$, 97.19, 139.0/7, 1.5394, 1.0352; C_2H_5, 3-CH_3-5-iso-$C_3H_7C_6H_3$, $C_{12}H_{22}OS$, 98.61, 166.0 - 167.0/12, 1.5270, 1.0025. A weak stream of dry SO_2 was bubbled for 1 - 2 min into a cooled ampoule containing 0.1 mole I and 0.1 mole C_2H_5SH; this was allowed to stand for 3 - 4 hrs and then neutralized with dry H_2CO_3, giving IX (R = C_2H_5, Ar = C_6H_5) (IXa), $C_{10}H_{14}OS$, yield 68.5%, b.p. 62 - 63.0°C/3 mm Hg, $n^{20}D$ 1.5365, d_4^{20} 1.0436. A mixture of 0.2487 g IXa and an excess of 20% solution of $HgCl_2$ in alcohol was allowed to stand for 2 - 3 hrs, methyl orange was added and 97.52% HCl was found by titration with 0.1 N NaOH. A stream of SO_2 was bubbled for 0.5 - 1 min into a mixture of 0.1 mole II and 0.15 mole C_2H_5SH, after 20 - 25 min IX was separated by distillation (R=C_2H_5, Ar = o-$CH_3C_6H_4$), $C_{11}H_{16}OS$, yield 60.0%, b.p. 74 - 75°C/12 mm Hg, $n^{20}D$ 1.5250, d_4^{20} 1.0084, as well as Xa (in view of traces of O_2), yield 3.1 g. For the previous communication see RZhKhim, 1961, 5Zh101. [Abstracter's note: Complete translation.]

Card 4/4

KALABINA, A.V.; VLASOVA, N.N.; MIRSKOVA, A.N.

Synthesis and properties of some aromatic mercaptans, sulfides, and sulfones. Izv. SO AN SSSR no.7 Ser.khim.nauk no.2:99-104 '63. (MIRA 16:10)

1. Irkutskiy gosudarstvennyy universitet i Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

SHOSTAKOVSKIY, M.F.; KALABINA, A.V.; KOMAROV, N.V.

Synthesis and transformations of vinyl aryl ethers. Report No.1: Synthesis and properties of vinyl ether of p-sec-propylphenol. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:215-224 '61. (MIRA 16:8)

(Ethers) (Phenol)

KALABINA, A.V.; KOGAN, R.Z.; GERBIK, V.I.

Synthesis and transformations of vinyl aryl ethers. Report No.14: Reaction of vinyl aryl ethers with organic acids. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 4 no.2:167-189 '59. (MIRA 16:8)

(Ethers) (Acids, Organic)

KALABINA, A.V.; PRILEZHAYEVA, Ye.N.; YAKOVLEVA, Z.I.

Synthesis and transformations of vinyl aryl ethers. Report No.18: Addition of mercaptans to vinyl ethers of the aromatic series. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1: 193-206 '61. (MIRA 16:8)

(Ethers) (Thiols)

ACCESSION NR: AT4020713 S/0000/63/000/000/0242/0246

AUTHOR: Kalabina, A. V.; Tyukavkina, N. A.; Kruglova, V. A.

TITLE: Investigations of the polymerization and copolymerization of vinylaryl ethers and their derivatives. IV. Radical copolymerization of simple vinyl ethers of the aromatic series with chloroprene

SOURCE: Karbotsepny*ye vy*sokomolekulyarny*ye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Izd-vo AN SSSR, 1963, 242-246

TOPIC TAGS: polymerization, block polymerization, copolymerization, radical copolymerization, vinylaryl ether, chloroprene, azodiisobutyronitrile, benzoyl peroxide

ABSTRACT: A study of the block copolymerization of chloroprene with vinylphenyl, vinyl-o-cresyl, vinyl-m-cresyl and vinyl-p-cresyl ethers at 60C, initiated with 0.2 wt.% azodiisobutyronitrile, which has not previously been described in the literature, showed that the rate of copolymerization depends markedly on the composition of the initial mixtures and is considerably lower than the rate of polymerization of chloroprene for all initial monomer ratios studied. Regardless of the composition of the initial mixture, all the resulting copolymers had a high content of chloroprene, and the amount of the vinylaryl ether in the co-

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ACCESSION NR: AT4020713

polymer was not higher than 20-25 mol.%. The relationship between the degree of copolymerization of chloroprene and vinylphenyl ether and the reaction time for different compositions of the initial mixture is illustrated. The dependence of the degree of polymerization on the concentration of either azodiisobutyronitrile or benzoylperoxide was also investigated. Orig. art. has: 2 figures and 4 tables.

ASSOCIATION: Irkut*skiy gosudarstvenny*y universitet (Irkutsk State University)

SUBMITTED: 11Jul62 DATE ACQ: 20Mar64 ENCL: 00

SUB CODE: OC NO REF SOV: 005 OTHER: 003

Card 2/2

KALABINA, A.V.; STEPANOV, D. Ye.; KRON, V.A.; CHERNOV, A.B.

Vinyl ethers in diene synthesis. Report No.2: Nitration and sulfonation of hexachlorophenoxybicycloheptene. Izv. SO AN SSSR no.7 Ser. khim. nauk no.2:106-110 '64 (MIRA 18:1)

1. Irkutskiy gosudarstvennyy universitet imeni A.A. Zhdanova i Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

L 12656-65 EPF(c)/EPR/EPA(s)-2/EWP(j)/EWT(m)/T Pc-4/Pr-4/Ps-4/Pt-10 RM/
ACCESSION NR: AT5002136 YW/MLK S/0000/64/000/000/0261/0273

AUTHOR: Kalabina, A. V.; Grechkin, Yu. F.; Bychkova, T. I.; Filippova, A. Kh.; Tyukavkina, N. A.; Yermakova, L. T.

TITLE: Synthesis of some new vinyl-aryl ethers and of their conversion products

SOURCE: AN SSSR. Institut neftekhimicheskogo sinteza. Sintez i svoystva monomerov (The synthesis and properties of monomers). Moscow, Izd-vo Nauka, 1964, 267-273

TOPIC TAGS: vinyl aryl ether, aromatic ether, phenol derivative, diphenylpropane derivative, diphenolpropane divinyl ether, polyether synthesis, boron trifluoride

ABSTRACT: Studies on the synthesis of vinylaryl ethers were expanded by the preparation of new ethers from substituted phenols and of their conversion products to obtain

L 22656-65
ACCESSION NR: AT5002136 2

phenyl ether homopolymer. Routes for producing di- and trichloroethyl-, and β-chloro- and β, β-dichloro- vinyl-aryl ethers are established. The reactions of vinylaryl ethers

formula and 3 tables.

ASSOCIATION: None

SUBMITTED: 30Jul64 ENCL 00 SUB CODE: OC, GC

NO REF SOV: 013 OTHER: 002

L 10820-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Pa-4 RPL/ASD(a)-3 RM/WW

ACCESSION NR: AP4045424 S/0190/64/006/009/1573/1578

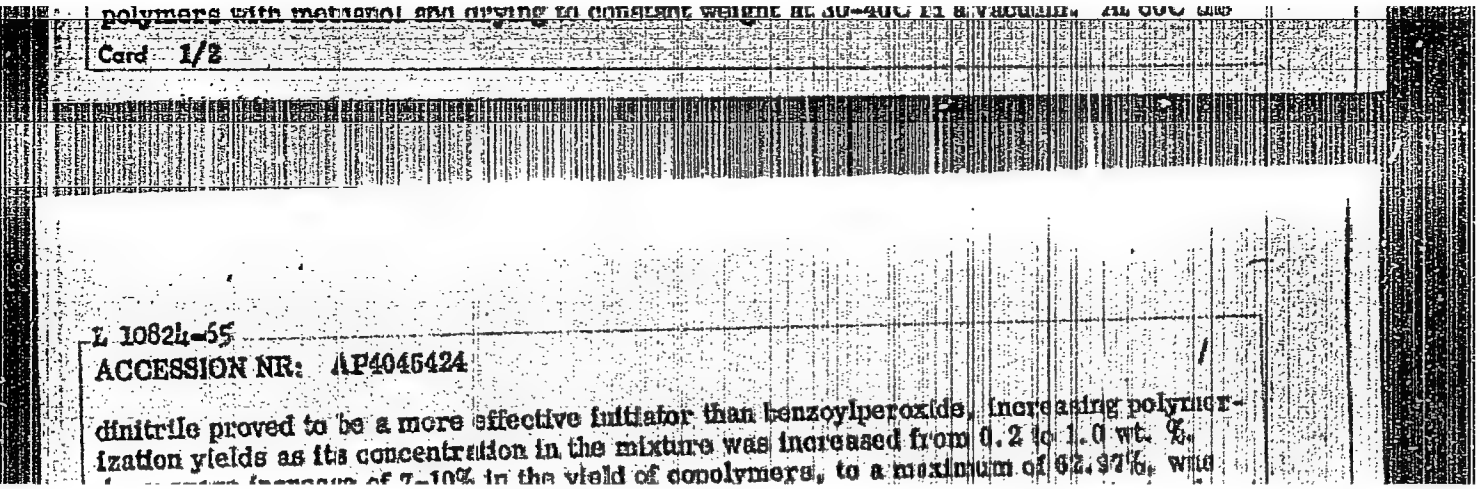
AUTHOR: Tyukavkina, N. A.; Kalabina, A. V.; Deryabina, G. I.; Zhikharev, G. T.; Biryukova, A. D.

TITLE: Copolymerization of simple vinyl aryl ethers with vinylidene chloride

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 9, 1964, 1573-1578

TOPIC TAGS: copolymerization, vinylidene chloride copolymer, vinyl aryl ether, polyvinyl copolymer, vinylphenyl ether, vinyloresyl ether, benzoylperoxide, diazoisobutyronitrile

ABSTRACT: The effects of the temperature and duration of the reaction, the nature and amount of initiator, and the proportion of individual monomers in the original mixture (10 to 90 mol. %) were examined in a study of the copolymerization of vinylidene chloride



polymers with methanol and drying to constant weight at 30-40C [illegible] at 600 mm

Card 1/2

L 10824-65

ACCESSION NR: AP4046424

dinitrile proved to be a more effective initiator than benzoylperoxide. Increasing polymerization yields as its concentration in the mixture was increased from 0.2 to 1.0 wt. %, [illegible] increase of 7-10% in the yield of copolymers, to a maximum of 62.97%, with

possible radical and ionic mechanisms of the polymerization. [illegible]
has: 3 figures and 1 table.

ASSOCIATION: Irkutskiy gosudarstvennyy universitet im. A. A. Zhdanova (Irkutsk State University)

SUBMITTED: 01Oct63 ENCL: 00 SUB CODE: OC

NO REF SOV: 009 OTHER: 000

Card 2/2

KALABINA, A.V.; DUBINSKAYA, E.I.; FILIPPOVA, A.Kh.; FROLOV, Yu.L.; RATOVSKIY, G.V.

Synthesis of vinyl ethers of nitro- and halonitrophenols. Izv. vys.ucheb.zav.; khim. i khim.tekh. 7 no.2:232-236 '64. (MIRA 18:4)

1. Irkutskiy gosudarstvennyy universitet im. A.A.Zhdanova, kafedra vysokomolekulyarnykh soyedineniy.

MAKSYUTIN, Yu.K.; FROLOV, Yu.L.; KALABINA, A.V.; SHEVELEVA, V.A.

Hydrogen bonding between phenols and vinyl and aryl ethers.
Zhur.fiz.khim. 38 no.11:2604-2607 N '64. (MIRA 18:2)

1. Irkutskiy gosudarstvennyy universitet imeni Zhdanova.

KALABINA, A.V.; BYCHKOVA, T.I.; MAKSYUTIN, Yu.K.

Synthesis and transformations of halo-substituted vinyl aryl ethers. Part 1: Cis- and trans- β-chlorovinyl aryl ethers. Zhur. org. khim. 1 no.8:1406-1411 Ag '65. (MIRA 18:11)

1. Irkutskiy gosudarstvennyy universitet.

L 34101-65 EPA(s)-2/EWT(m)/EPF(s)/EPR/EWP(t)/T Pc-4/Pr-4/Ps-1/Pt-10 WW/RM

ACCESSION NR: AP5007435 S/0286/65/000/004/0062/0062

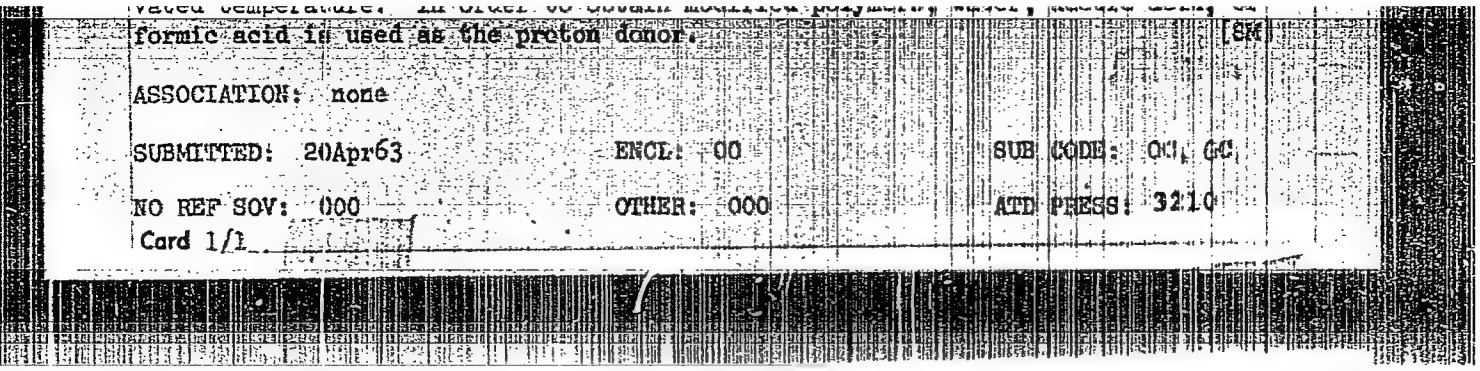
AUTHOR: Grechkin, Ye. F.; Kalabina, A. V.

TITLE: Preparative method for heat-resistant phosphorus-containing polymers. Class 39, No. 168445

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 62

TOPIC TAGS: heat resistant polymer, polymer, phosphorus containing polymer, vinylphosphonic acid

ABSTRACT: An Author Certificate has been issued for a preparative method for heat-resistant phosphorus-containing polymers, involving the treatment of tetrachloro derivatives of β-substituted vinylphosphonic acids [sic] with proton donors at ele-



formic acid is used as the proton donor. [SK]

ASSOCIATION: none

SUBMITTED: 20Apr63 ENCL: 00 SUB CODE: OC, GC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3210

Card 1/1

ZIKHERMAN, K.Kh.; KALABINA, A.V.

Synthesis of some polychloroethyl ethers of phenol and chlorophenols. Izv. AN SSSR. Ser. khim. no.7:1254-1256 '65. (MIRA 18:7)

1. Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

KALABINA, A.V.; TSARIK, L.Ya.; BODYUKH, L.A.; MAKSYUTIN, Yu.K.

Copolymerization of hydroquinone divinyl ether with methyl methacrylate. Vysokom.soed. 7 no.10:1758-1762 O '65.
(MIRA 18:11)

1. Irkutskiy gosudarstvennyy universitet.

L 21801-66 EWP(j)/EWT(m) RM

ACC NR: AP6012642 SOURCE CODE: UR/0079/65/035/001/0070/0072

AUTHOR: Kalabina, A. V.; Myn-in', Lyu

ORG: Irkutsk State University (Irkutskiy gosudarstvennyy universitet)

TITLE: Reaction of dialkyldithiophosphoric acids with vinylaminophenyl esters

SOURCE: Zhurnal obshchey khimii, v. 35, no. 1, 1965, 70-72

TOPIC TAGS: chemical reaction, ester, chemical stability, organic nitrogen compound, organic sulfur compound

ABSTRACT: Under ordinary conditions, the addition of dialkyldithiophosphoric acids to vinylaminophenyl esters cannot be carried out. Vinylaminophenyl esters which have a basic group in the benzene ring differ in their reactivity from vinylaryl esters with other substituents in the ring. In this case, the reaction follows the scheme

$$(RO)_2PSSH + CH_2=CHOC_6H_4NH_2 \rightarrow [CH_2=CHOC_6H_4NH_2] + [(RO)_2PSS]$$

Vinyloxyaniline salts of dialkyldithiophosphoric acids are crystalline compounds, readily soluble in alcohol, acetone, dioxane, and often water, but poorly in nonpolar solvents. They are unstable upon heating, and storage in air, readily change into a

Card 1/2 UDC: 547.562/564: 546.221

L 21801-66
ACC NR: AP6012642

brownish-red gummy mass or solids. However, these compounds can be preserved over calcium chloride for several days. Vinyl esters of aminophenols were obtained by vinylation of aminophenols with acetylene in aqueous dioxane. The vinylester of 4-aminophenol has a boiling point of 80.5° (1.5 mm), 74-75° (1 mm), n_B^{20}=1.5772. The vinyl ester of 3-aminophenol has a boiling point of 78-79° (2mm), and n_D^{20}=1.5832. Orig. art. has: 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 22Jul63 / ORIG REF: 005

Card 2/2

KALABINA, A.V.; LIU MYN-IN' [Liu Meng-yin]; AZAREVA, L.F.

Synthesis of some N-acyl derivatives of vinyl aminophenyl ethers.
Zhur. ob. khim. 35 no.1:[illegible] Ja '65. (MIRA 18:1)

1. Irkutskiy gosudarstvennyy universitet.

L 21762-66 EWP(j)/EWT(m)/T JAJ/RM

ACC NR: AP6012648 SOURCE CODE: UR/0079/65/035/002/0338/0343

AUTHOR: Kalabina, A. V.; Mym-in', Lyu; Asalkhayeva, L. D.; Bychkova, T. I. 37 B

ORG: Irkutsk State University (Irkutskiy gosudarstvennyy universitet)

TITLE: Synthesis of certain O, O-dialkyl-S-(alpha - aryloxy- beta -chloro-ethyl) dithiophosphates and O, O-dialkyl (diphenyl)-S-(alpha -aryloxy- gamma, gamma, gamma - trichloropropyl) dithiophosphates

SOURCE: Zhurnal obshchey khimii, v. 35, no. 2, 1965, 338-343

TOPIC TAGS: organic synthetic process, ester, ammonium salt, organic phosphorous compound, isomer

ABSTRACT: The reaction of α,β -dichloroethylaryl esters with ammonium salts of dialkyldithiophosphoric acid was studied and the new O, O-dialkyl-S-(α -aryloxy- β -chloroethyl) dithiophosphates were synthesized. A study was made of the addition of diethyldithiophosphoric acid to the cis- and trans- isomers of the β-chlorovinylphenyl ester. A reaction scheme is proposed. The addition of carbon tetrachloride to vinylaryl esters was investigated and two $\alpha,\gamma,\gamma,\gamma$-tetrachloropropylaryl esters not described in the literature were synthesized. The reaction of $\alpha,\gamma,\gamma,\gamma$,-tetrachloropropylaryl esters with ammonium salts of dialkyl (diphenol) dithiophosphoric acids was studied and five new dialkyl (diphenyl)- S-(α -aryloxy-γ,γ,γ-trichloropropylethyl) dithophosphate were obtained. Orig. art. has: 5 formulas and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 11Dec63 / ORIG REF: 016

Card 1/1 PB UDC: 547.371+546.185+546.222.2

KALABINA, A.V.; KOLMAKOVA, E.F.; BYCHKOVA, T.I.; MAKSYUTIN, Yu.K.; DENISEVICH, E.A.; SMOLINA, G.I.

Substituted vinyl and ethyl aryl ethers. Part 1: Reaction of phenyl sulfenyl chloride with vinyl-aryl ethers. Zhur. ob. khim. 35 no.6:979-982 Je '65. (MIRA 18:6)

1. Irkutskiy gosudarstvennyy universitet.

L 27451-66 EWT(m)/EWP(j)/T RPL WW/RM

ACC NR: AP5025962 SOURCE CODE: UR/0190/65/007/010/1758/1762

AUTHOR: Kalabina, A. V.; Tsarik, L. Ya.; Bodyukh, L. A.; Maksyutin, Yu. K.

ORG: Irkutsk State University (Irkutskiy gosudarstvennyy universitet)

TITLE: Investigations in the polymerization and copolymerization of vinylaryl ethers and their derivatives. Report No. 6. Copolymerization of hydroquinone dimethyl ether with methylmethacrylate

TOPIC TAGS: methylmethacrylate, alkaryl ether, copolymerization, radical polymerization, copolymer, ion exchange resin, polymer structure

ABSTRACT: The copolymerization of hydroquinone dimethyl ether (I) with methylmethacrylate (MMA) was investigated. Bulk polymerization of 1-20% I with 99-80% MMA initiated by azobisisobutyronitrile gave 20% yields of cross-linked polymers whose ether linkage content increased with initial amount of I. Benzoyl peroxide initiated suspension copolymerization was carried out. The use of a combination of starch and talcum as suspension stabilizers was required in order to form copolymer granules. High copolymer yields (88%) were obtained when a 1:3 ratio of monomer mixture: water was used. The static exchange capacity

Card 1/2 UDC: 66.095.26+678.744+678.746

L 27451-66

ACC NR: AP5025962

of the saponified copolymers was found to depend on the amount of I and on the degree of saponification of the copolymer. Copolymers made from 5% of I in the initial reaction mixture have the greatest exchange capacity (9 mg. equiv/gm) and show high resistance to hydrolysis in 5N mineral acid and alkali solutions. "In conclusion we thank V. A. Shevelev for obtaining the IR spectra." Orig. art. has: 3 tables and 1 figure.

SUB CODE: MT, OC/ SUBM DATE: 18Nov64/ ORIG REF: 006/ OTH REF: 000

Card 2/2

Kh.M. Abdullayev

ABDULLAYEV, Kh.M., akademik; ADELUNG, A.S.; VORONICH, V.A.; GOR'KOVOY, O.P.; KALABINA, M.G.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; RADZHABOV, F.Sh.; TUMASHEVSKAYA, E.S., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

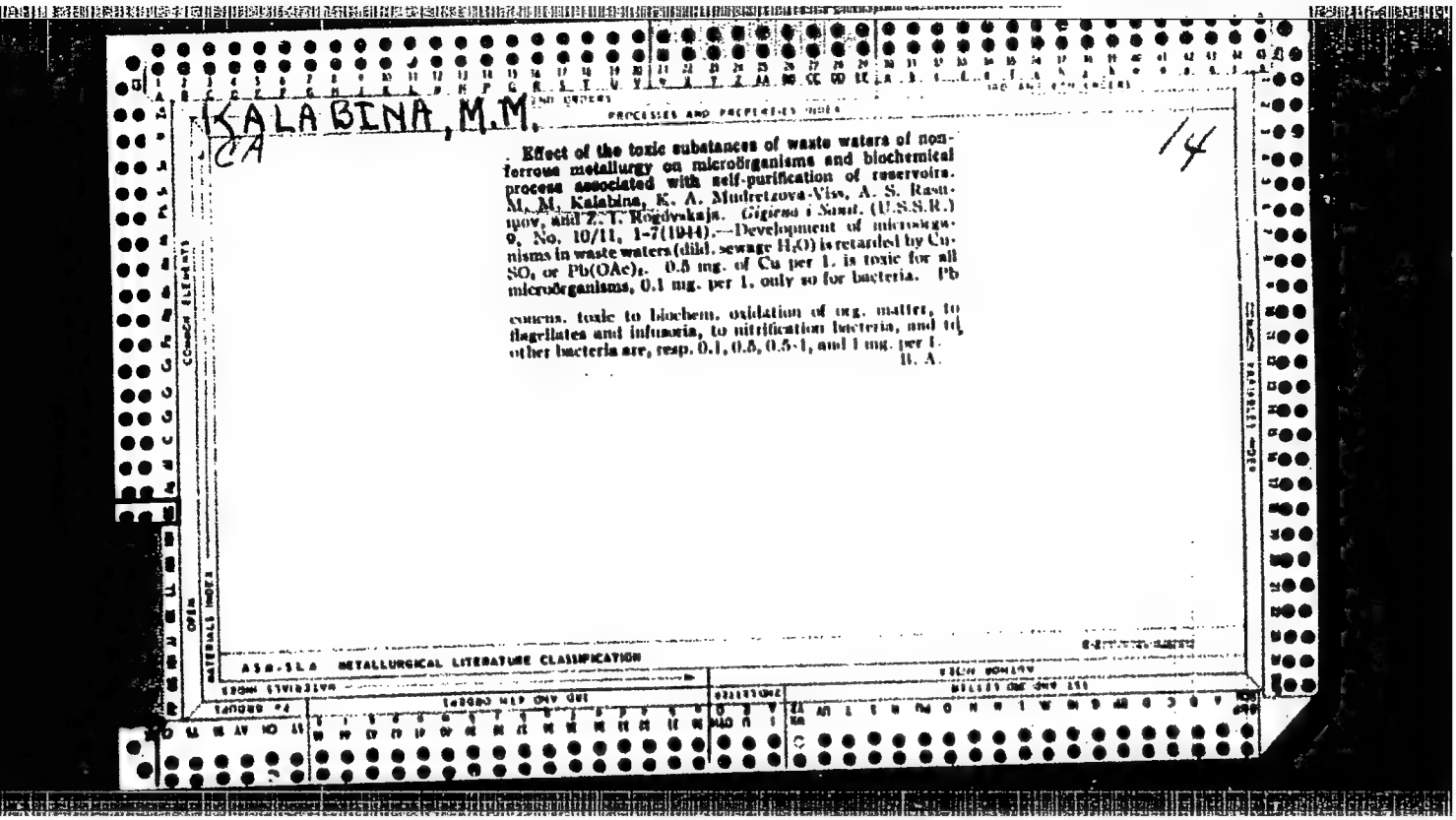
[Principal features of magmatism and metallogeny in the Chatkal-Kurama mountain ranges] Osnovnye cherty magmatizma i metallogenii Chatkalo-Kuraminskikh gor. Pod obshchei red. Kh.M.Abdullaeva. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 288 p. (MIRA 11:7)

1. Akademiya nauk Uzbekskoy SSR (for Abdullayev)
(Chatkal Mountain Range--Mineralogy)
(Kurama Mountain Range--Mineralogy)

MATSOKINA-VORONICH, T.M., kand. geol.-miner. nauk, otv. red.; VORONICH, V.A., kand. geol.-miner. nauk, red.; KNAUF, V.I., kand. geol.-miner. nauk, red.; FEDORCHUK, V.P., doktor geol.-miner. nauk, red.; KALABINA, M.G., red.; NURATDINOVA, M.R., red.

[Problems of the methods of plotting the metallogenetic and prognostic maps of Central Asia; materials] Voprosy metodiki sostavleniia metallogenicheskikh i prognoznykh kart Srednei Azii; materialy. Tashkent, Nauka, 1964. 274 p.
(MIRA 18:6)

1. Sredneaziatskoye soveshchaniye po metodike sostavleniya metallogenicheskikh i prognoznykh kart. 1st, 1962. 2. Institut geologii i geofiziki im. Kh.M.Abdullayeva AN Uzbekskoy SSR (for Matsokina-Voronich). 3. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov Uzbekskoy SSR (for Kalabina).



KALABINA, M.M.
CA

14

. Effect of the toxic substances of waste waters of nonferrous metallurgy on microörganisms and biochemical process associated with self-purification of reservoirs. M. M. Kalabina, K. A. Mudretzova-Visv, A. S. Rasumov, and Z. T. Rogdvskaja. *Gigiena i Sanit.* (U.S.S.R.) 9, No. 10/11, 1-7(1944).—Development of microörganisms in waste waters (dild. sewage H_2O) is retarded by Cu SO_4 or $Pb(OAc)_2$. 0.5 mg. of Cu per l. is toxic for all microörganisms, 0.1 mg. per l. only so for bacteria. Pb

concns. toxic to biochem. oxidation of org. matter, to flagellates and infusoria, to nitrification bacteria, and to other bacteria are, resp. 0.1, 0.5, 0.5-1, and 1 mg. per l. H. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZHUKOV, A.I., professor; KALABINA, M.M., professor; ROGOVSKAYA, TS.I., starshiy nauchnyy sotrudnik.

Purification of phenol polluted sewage. Gig. i san. 22 no.5:69-72 My '57. (MIRA 10:10)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii

(SEWAGE,
purification from phenols (Rus))
(PHENOLS,
purification of sewage (Rus))

IVANOV, V.I.; KALABINA, M.M., prof.

Purification of waste waters from synthetic rubber and synthetic alcohol plants. Zhur. VKHO 6 no.2:130-141 '61. (MIRA 14:3)
(Sewage—Purification)(Rubber, Synthetic)(Alcohol)

SIDOROV, A.A., otv. red.; ZHUKOV, A.I., red.; KALABINA, M.M., red.; LUR'YE, Yu.Yu., red.; MONGAYT, I.L., red.; ROGOVSKAYA, Ts.I., red.; RYBNIKOVA, A.I., red.; SKVORTSOVA, I.P., red.izd-va; SMIRNOVA, A.P., red.izd-va; MOCHALINA, Z.S., tekhn. red.

[Purification of industrial sewage]Ochistka promyshlennykh stochnykh vod; trudy sovmestnoi konferentsii Instituta Vodgeo ASiA SSSR i Instituta vodnogo khoziaistva Ministerstva zemledeliia, lesnogo i vodnogo khoziaistva ChSSR. Moskva, Gosstroiizdat, 1962. 448 p. (MIRA 16:2)

1. Konferentsiya po ochistke fenol'nykh stochnykh vod, Moscow, 1960.

(Phenols) (Sewage--Purification)

TULYAKOV, Ye.N.; KALABINA, R.A.

Determination of fluorine in highly volatile and low-boiling organs fluorine compounds. Zav.lab. 30 no.12:1449-1450 '64.

(MIRA 18:1)

KRAYNIY, A.I., inzh.; SEMENOV, A.S., inzh.; KALABINA, T.I., inzh.

Using plywood piling in hydraulic engineering. Transp. stroi. 14 no.9:51 S '64 (MIRA 18:1)

KALABINSKA, Maria, dr

Physicochemical characteristics of acid sludges in Polish refining plants. Nafta 21 no.1:16-21 Ja '65.

1. Department of Chemistry and Technology of Building Materials of the Warsaw Technical University. Submitted March 1964.

KALABINSKI, B.

(DROGOWNICTWO, Vol. 8, No. 8, Aug. 1953, Warsaw, Poland)
"Some problems concerning the organization of the construction of a stone road surface." (To be contd.) Biuletyn. p. 1c-4c.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

KALABINSKI, B.

"Testing results of the work of the D-222 hoist loader. (Conclusion) Biuletyn." p. 1c. (DROGWICTWO Vol. 9. No. 12, Dec. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4. No. 4. April 1955. Uncl.

GRABOWSKI, Zbigniew (Warszawa); KALABINSKI, Boleslaw (Warszawa)

Secondary vibrations of concrete. Przegl budowl i bud mieszk 34 no.1:35-37, 44 Ja '62.

KALABINSKI, Boleslaw, dr inz.

Basic conditions for the achievement of the best organizational, technical and economic results in the construction of roads with concrete pavements. Techn drog prace 3:9-64'61

KALABIŃSKI, Boleslaw, dr inz.

Result analysis of studies abroad and in Poland on the influence of repeated and multiplied vibration on the quality of concrete. Techn drog prace 4:41-76 '62

KALABIS, C.

2d Slovak Conference on Flotation at Kosice. p. 190.
RUDY, Praha, Vol. 3, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

KALABIS, C.

Exploiting iron ore deposits by subdrifiting and stoping in the Drnava mines, p. 205, RUDY (Ministerstvo hutniho prumyslu a rudnych dolu) Praha, Vol. 3, No. 7, July 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

KALABIS, C.

"Mechanisation of transportation in mines by means of continuous cable railways." P. 332.

RUDY. (Ministerstvo hutniho prumyslu a rudnych dolu). Praha, Czechoslovakia, Vol. 3, No. 11, Nov. 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

KALABIS, C.

Hauling ore into the dressing plant by aerial shuttle tramways. p.163.
(Rudy, Vol. 5, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

KALABIS, C.

Contribution to the problem of the shortage in mine cars.

P. 25 (Rudy) Vol. 5, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

KALAJIS, C.

TECHNOLOGY

periodical: RUDY Vol. 6, no. 7, July 1958

KALABIS, C. Unloading suspended cableway cars; a method for improving mine haulage. p. 226.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

KALABIS, V.

"The order Syngnathiformes Berg 1940 (pisces) of the Moravian Paleocene."

p. 261 (Casopis Pro Mineralogii A Geologh. Vol. 2, no. 3, 1957, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7. No. 2,
February 1958

KALABIS, V.

"The geology of the Vyskov region in the area of Podivice, Zelena Hora-Radslavice, and Jezkovice. p. 57"

p. 57 (Central Geologic Institute, Czechoslovak Academy of Sciences) Vol. 33, no. 1, 1958

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

KALABUGIN, A. YA.

26470 Voprosy rekonstruk-tsii sel'skokhozyaysvennogo vodosnabzheniya i obvodneniya pastbishch. gidrotekhnika i melioratsiya, 1949, No. 2, s. 3-9

SO: LETOPIS' NO. 35, 1949

KALABUGIN, K. YA.

36756. KALABUGIN, K. YA. i SHTAREV, YA. K. Neotlozhnyye meropriyatiya po oroshcheniyu Khorezma. Gidrotekhnika i melioratsiya, 1949, No. 5, c. 41-49

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

KALABUGIN, A. Ya.

Agriculture

Water system on stockbreeding farms of the steppe and forest-steppe provinces of Kazakhstan. Alma-Ata, Kazgosizd, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

KALABUGIN, A. Ya.

"Water Supply for Virgin and Fallow Lands," published in - An Aid to Agricultural Specialists in the Reclamation of Virgin and Fallow Lands, Sbornik Materialov i Statey, Vol.1, pp 25-144, 1954

Dr. of Engineering and Professor at the Moscow Institute of Land Organization

Translation No. 431, 30 Jun 55

SITKOVSKIY, P.A.; KOMAROV, G.V.; BRUSENTSEV, V.F.; KREMENETSKIY, N.N.; MAMAYEV, M.G., kand.tekhn.nauk; SMIRNOV, A.V., kand.tekhn.nauk; AFANAS'YEV, I.V.; VOLOD'KO, I.F., kand.tekhn.nauk; BEGLYAROV, S.A.; KONDRAT'YEV, V.V.; KARLINSKAYA, M.I.; NIKOLAYEV, M.I., kand.tekhn. nauk; DOROKHOV, S.M.; PISHCHUROV, P.V.; KLIMENTOVA, A.V.; ROZENSLAT, Zh.I.; PANDEYEV, V.V., kand.tekhn.nauk; KULIKOV, P.Ye.; SHIMANOVICH, S.V.; DELITSIN, M.V., retsenzent; BRAUDE, I.D., retsenzent; BARYSHEV, A.M.; retsenzent; GRIGORYANTS, A.S., retsenzent; IGNATYUK, G.L., retsenzent; KALABUGIN, A.Ya., retsenzent; KREMENETSKIY, N.D., retsenzent; POPOV, K.V., retsenzent; ORLOVA, V.P., red.; LETNEV, V.Ya., red.; SOKOLOVA, N.N., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Handbook for hydraulic and agricultural engineers] Spravochnik gidrotekhnika melioratora. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 766 p. (MIRA 12:3)

(Hydraulic engineering) (Agricultural engineering)

KALABUGIN, Aleksandr Yakovlevich, prof.; MURASHEV, Sergey Iustinovich, dotsent; KRZHIZHANOVSKAYA, G.V., red.; DEYEVA, V.M., tekhn. red.; ZUBRILINA, Z.P., tekhn.red.

[Practical work in the study of land reclamation and agricultural water supply] Prakticheskie zaniatiia po melioratsii i sel'skokhoziaistvennomu vodosnabzheniiu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 175 p. (MIRA 13:1)
(Hydraulic engineering)

KALABUGIN, Aleksandr Yakovlevich, prof.; MURASHEV, Sergey Iustinovich, dotsent; KRZHIZHANOVSKAYA, G.V., red.; GOR'KOVA, Z.D., tekhn.red.

[Agricultural water supply and land improvement] Sel'skokhoziaistvennoe vodosnabzhenie i melioratsiia. Izd.2., perer. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 342 p.
(MIRA 14:1)

(Water supply, Rural)

OVODOV, Vladimir Sergeyevich, prof., doktor tekhn.nauk. Prinimal uchastiye IL'IN, V.G., dotsent. KALABUGIN, A.Ya., prof., doktor tekhn.nauk, retsenzent; ORLOVA, V.P., red.; MAKHOVA, N.N., tekhn.red.; PEVZNER, V.N., tekhn.red.

[Agricultural water supply and irrigation] Sel'skokhoziaistvennoe vodosnabzhenie i obvodnenie. Izd.2., perer. i dop. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1960. 655 p. (MIRA 14:1)
(Water supply, Rural) (Irrigation)

KALABUGINA, N.N.

Conference on standardization in the Estonian S.S.R. Standartizatsiia 27 no.9:49-50 S '63. (MIRA 16:10)

SOV/28-58-5-22/37

AUTHOR: Kalabukha, N.D. and Koptsov, I.A., Engineers

TITLE: Some Requirements for Technical Blueprints (Nekotoryye trebovaniya k tekhnicheskoy dokumentatsii)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 65 - 68 (USSR)

ABSTRACT: The author discusses the confusion which at present exists in the drawing up of technical blueprints, due to a lack of proper and unified standards. He advocates the standardization of requirements relating to technical blueprints and discusses methods of designating components and products, reproducing blueprints, etc.

1. Drafting--Standards

Card 1/1

KALABUKHOV, D.M. (Chelyabinsk)

The mainline of the Southern Urals during the Soviet period.
Zhel.dor.transp. 39 no.10:81-85 O '57. (MIRA 10:10)

1.Nachal'nik Yuzhno-Ural'skoy zheleznoy dorogi.
(Ural Mountain region--Railroads)

KALABUKHOV, D.M.

Measures introduced by the Southern Urals Railroad to increase train speeds. Zhel.dor.transp. 42 no.10:20-23 O '60. (MIRA 13:10)

1. Nachal'nik Yuzhno-Ural'skoy dorogi.
(Ural Mountain region--Railroads--Train speed)

KALABUKOV, F.V.

KALABUKOV, F.V.

Road construction in the R.S.F.S.R. Avt.dor.20 no.10:5-7 O '57.
(MIRA 10:12)

1. Ministr avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Road construction--History)

KALABUKHOV, F.

Develop the automotive transport in accordance with new requirements.
Avt.transport. 35 no.6:1-3 Je '57. (MLRA 10:7)
(Transportation, Automotive)

KALABUKHOV, F.

Automotive transport of the Russian Federation. Avt.transp. 35 no.11:1-2 N '57. (MIRA 10:12)

1.Ministr avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Transportation, Automotive)

KALABUKHOV, F.

Improve the automotive transportation. Avt. transp. 36 no.8:1-3 Ag '58. (MIRA 11:9)

1.Ministr avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Transportation, Automotive)

KALABUKHOV, F.

Let us put into practice the decisions of the 21st Congress of the CPSU. Avt.transp. 37 no.3:1-3 Mr '59. (MIRA 12:4)

1. Ministr avtomobil'nogo transporta i shossaynykh dorog RSFSR.
(Transportation, Automotive)

KALABUKHOV, F.; ROMANOV, B.

Valuable initiative of driver A.V. Zhulin. Avt. transp. 37 no.9:3 S '59. (MIRA 12:12)

1.Ministr avtomobil'nogo transporta i shosseynykh dorog RSFSR (for Kalabukhov). 2.Predsedatel' TSentral'nogo komiteta profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseynykh dorog (for Romanov).
(Transportation, Automotive)

ALEKSANDROV, L.A.; AKSENOVA, Z.I.; ARTEM'YEV, S.P.; AFANAS'YEV, L.L.; BONSHTEYN, L.A.; BURKOV, M.S.; BUYANOV, V.A.; VELIKANOV, D.P.; VERKHOVSKIY, I.A.; GOBERMAN, I.M.; DAVIDOVICH, L.N.; DEGTEREVA, G.N.; ZEMSKOV, P.F.; KAJAKHKOV, F.V.; KOLESNIK, P.A.; KOSHIN, A.P.; KRAMARENKO, G.V.; KRUZE, I.L.; KURSHEV, A.N.; OSTROVSKIY, N.B.; PASHINA, S.N.; SEMIKIN, N.V.; TARANOV, A.T.; TIKHOMIROV, A.K.; ULITSKIY, P.S.; USHAKOV, B.P.; FILIPPOV, V.K.; CHERNYAVSKIY, L.M.; CHUDINOV, A.A.; SHUPLYAKOV, S.I.; TIKHOMIROV, N.N.

Petr Valerianovich Kaniovskii; obituary. Avt.transp. 37 no.4:57 Ap '59. (MIRA 13:6)
(Kaniovskii, Petr Valerianovich, 1881-1959)

KALABUKHOV, F.

Objective of national importance. Avt.transp. 38 no.2:1-2 F '60. (MIRA 13:6)

1. Ministr avtomobil'nogo transporta i shossaynykh dorog RSFSR.
(Farm produce--Transportation)

KALABUKHOV, F.V.

Intensify the struggle for the fulfillment of the seven-year plan for raod construction ahead of time. Avt.dor. 23 no.11: 2-4 N'60. (MIRA 13:11)

1. Ministr avtomobil'nogo transporta i shossaynykh dorog RSFSR.

(Road construction)

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